

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	1765	(matrix or ecm) near4 metalloproteinase\$1	USPAT; US-PGPUB	2003/06/02 14:44
2	L2	168	1 near8 (membrane\$1 or transmembrane\$1)	USPAT; US-PGPUB	2003/06/02 15:02
3	L3	146	1 near5 (membrane\$1 or transmembrane\$1)	USPAT; US-PGPUB	2003/06/02 15:10

PGPUB-DOCUMENT-NUMBER: 20030100600

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100600 A1

TITLE: Method for treating atherosclerosis or restenosis using  
microtubule stabilizing agent

PUBLICATION-DATE: May 29, 2003

US-CL-CURRENT: 514/449, 549/510

APPL-NO: 10/ 272496

DATE FILED: October 15, 2002

RELATED-US-APPL-DATA:

child 10272496 A1 20021015

parent continuation-of 10121500 20020411 US GRANTED

parent-patent 6500859 US

child 10121500 20020411 US

parent continuation-of 09641549 20000817 US GRANTED

parent-patent 6403635 US

child 09641549 20000817 US

parent continuation-of 08821906 19970321 US GRANTED

parent-patent 6429232 US

child 08821906 19970321 US

parent continuation-of 08633185 19960418 US GRANTED

parent-patent 5616608 US

child 08633185 19960418 US

parent continuation-of 08099067 19930729 US ABANDONED

PGPUB-DOCUMENT-NUMBER: 20030096757

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096757 A1

TITLE: Anti-cancer and wound healing compounds

PUBLICATION-DATE: May 22, 2003

US-CL-CURRENT: 514/14, 514/15

APPL-NO: 10/ 219329

DATE FILED: August 15, 2002

RELATED-US-APPL-DATA:

child 10219329 A1 20020815

parent continuation-in-part-of 10153185 20020521 US PENDING

child 10219329 A1 20020815

parent continuation-in-part-of 10032376 20011221 US PENDING

non-provisional-of-provisional 60312726 20010816 US

[0001] This application is a continuation-in-part of U.S. patent application Ser. No. 10/153,185 filed May 21, 2002, and U.S. patent application Ser. No. 10/032,376 filed Dec. 21, 2001, both of which claim priority to U.S. Provisional Patent Application Ser. No. 60/312,726, filed Aug. 16, 2001, all of which are incorporated herein by reference in their entirety.

PGPUB-DOCUMENT-NUMBER: 20030091568

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030091568 A1

TITLE: Inhibitors for the formation of soluble human CD23

PUBLICATION-DATE: May 15, 2003

US-CL-CURRENT: 424/146.1, 530/388.26

APPL-NO: 10/ 238011

DATE FILED: September 9, 2002

RELATED-US-APPL-DATA:

child 10238011 A1 20020909

parent continuation-in-part-of 09827406 20010405 US ABANDONED

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
EP	00 107 515.9	2000EP-00 107 515.9	April 7, 2000

RELATED APPLICATIONS

[0001] This application claims the benefit of and priority to European Patent Application 00 107 515.9, filed Apr. 7, 2000 and is a continuation-in-part application of U.S. application Ser. No. 09/827,406, filed Apr. 5, 2001. Each of the foregoing applications, as well as all documents cited or referenced in the foregoing applications. Also, all documents cited in this application and all documents cited or referenced in the herein cited documents are incorporated by reference.

PGPUB-DOCUMENT-NUMBER: 20030087924

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087924 A1

TITLE: Diacid-substituted heteroaryl derivatives as matrix  
metalloproteinase inhibitors

PUBLICATION-DATE: May 8, 2003

US-CL-CURRENT: 514/277, 514/408, 514/520, 514/521, 514/532, 546/286  
, 546/314, 546/340, 548/530, 548/566, 548/571, 558/414

APPL-NO: 10/ 224234

DATE FILED: August 20, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60318488 20010910 US

PGPUB-DOCUMENT-NUMBER: 20030087863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087863 A1

TITLE: Methods for diagnosing and treating a disease mediated  
by decreased MMP-2 function

PUBLICATION-DATE: May 8, 2003

US-CL-CURRENT: 514/44, 424/146.1, 424/94.65

APPL-NO: 10/ 185433

DATE FILED: June 28, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60301694 20010628 US

[0001] This application claims priority under 35 U.S.C. .sctn.119(e) of provisional application Serial No. 60/301,694 filed Jun. 28, 2001, which is incorporated herein by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030086934

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030086934 A1

TITLE: Basal cell markers in breast cancer and uses thereof

PUBLICATION-DATE: May 8, 2003

US-CL-CURRENT: 424/185.1, 435/6 , 435/7.23

APPL-NO: 09/ 916849

DATE FILED: July 26, 2001

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60220967 20000726 US

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to provisional application U.S. S. No. 60/220,967, filed Jul. 26, 2000, which is incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030083519

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030083519 A1

TITLE: Inhibition of angiogenesis and tumor growth

PUBLICATION-DATE: May 1, 2003

US-CL-CURRENT: 560/115, 560/158 , 560/25

APPL-NO: 10/ 240141

DATE FILED: September 27, 2002

PCT-DATA:

APPL-NO: PCT/US01/09756

DATE-FILED: Mar 27, 2001

PUB-NO:

PUB-DATE:

371-DATE:

102(E)-DATE:



PGPUB-DOCUMENT-NUMBER: 20030082782

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082782 A1

TITLE: Polynucleotides encoding a novel metalloprotease, MP-1

PUBLICATION-DATE: May 1, 2003

US-CL-CURRENT: 435/226, 435/320.1 , 435/325 , 435/69.1 , 536/23.2

APPL-NO: 10/ 067443

DATE FILED: February 5, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60266518 20010205 US

non-provisional-of-provisional 60282814 20010410 US

[0001] This application claims benefit to provisional application U.S. Ser. No. 60/266,518, filed Feb. 5, 2001; and to provisional application U.S. Ser. No. 60/282,814, filed Apr. 10, 2001. The entire teachings of the referenced applications are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030082511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082511 A1

TITLE: Identification of modulatory molecules using inducible  
promoters

PUBLICATION-DATE: May 1, 2003

US-CL-CURRENT: 435/4, 435/6

APPL-NO: 09/ 965201

DATE FILED: September 25, 2001

PGPUB-DOCUMENT-NUMBER: 20030078296

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078296 A1

TITLE: Methods for inhibiting angiogenesis and tumor growth

PUBLICATION-DATE: April 24, 2003

US-CL-CURRENT: 514/478, 514/563

APPL-NO: 10/ 240142

DATE FILED: September 27, 2002

PCT-DATA:

APPL-NO: PCT/US01/09785

DATE-FILED: Mar 27, 2001

PUB-NO:

PUB-DATE:

371-DATE:

102(E)-DATE:

PGPUB-DOCUMENT-NUMBER: 20030078276

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078276 A1

TITLE: Matrix metalloproteinase inhibitors

PUBLICATION-DATE: April 24, 2003

US-CL-CURRENT: 514/266.1, 514/307 , 514/311 , 702/19

APPL-NO: 10/ 075069

DATE FILED: February 13, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60268821 20010214 US

PGPUB-DOCUMENT-NUMBER: 20030073100

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030073100 A1

TITLE: Method of identifying renalgenerative agents using  
differential gene expression

PUBLICATION-DATE: April 17, 2003

US-CL-CURRENT: 435/6

APPL-NO: 10/ 113312

DATE FILED: April 1, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60280258 20010330 US

RELATED U.S. APPLICATIONS

[0001] This application claims priority to U.S. Ser. No. 60/280,258 filed  
Mar. 30, 2001, which is incorporated herein by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030044863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030044863 A1

TITLE: Invasion complex and methods of targeting

PUBLICATION-DATE: March 6, 2003

US-CL-CURRENT: 435/7.23

APPL-NO: 10/ 197725

DATE FILED: July 18, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60306946 20010720 US

non-provisional-of-provisional 60332652 20011116 US

non-provisional-of-provisional 60382794 20020522 US

#### CROSS REFERENCE TO RELATED APPLICATIONS

[0001] Priority is claimed to U.S. Provisional Application Serial No. 60/306,946 filed on Jul. 20, 2001; U.S. Provisional Application Serial No. 60/332,652 filed on Nov. 16, 2001; and U.S. Provisional Application Serial No. 60/382,794 entitled, "Invasion Complex and Method of Targeting", by Samy Ashkar, filed on May 22, 2002.

PGPUB-DOCUMENT-NUMBER: 20030037345

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030037345 A1

TITLE: COMPOSITIONS AND METHODS FOR WOUND HEALING

PUBLICATION-DATE: February 20, 2003

US-CL-CURRENT: 800/3, 424/9.1 , 435/4 , 435/6

APPL-NO: 09/ 249155

DATE FILED: February 12, 1999

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60074737 19980213 US

non-provisional-of-provisional 60097937 19980826 US

non-provisional-of-provisional 60102051 19980928 US

[0001] This application claims the benefit of co-pending provisional applications Ser. No. 60/074,737 filed Feb. 13, 1998, Ser. No. 60/097,937 filed Aug. 26, 1998, and Ser. No. 60/102,051 filed Sep. 28, 1998, which are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030032665

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030032665 A1

TITLE: Method of inhibiting matrix metalloproteinases

PUBLICATION-DATE: February 13, 2003

US-CL-CURRENT: 514/411, 514/397, 514/414, 514/422, 514/423, 514/443  
, 514/562

APPL-NO: 10/ 162518

DATE FILED: June 4, 2002

RELATED-US-APPL-DATA:

child 10162518 A1 20020604

parent division-of 09254384 19990302 US PENDING

child 09254384 19990302 US

parent a-371-of-international PCT/US97/14859 19970822 WO UNKNOWN

non-provisional-of-provisional 60025062 19960904 US

non-provisional-of-provisional 60055713 19970807 US

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This is a divisional of U.S. patent application Ser. No. 09/254,384 filed on Mar. 22, 1999, now pending, which is a .sctn.371 national application of PCT/US97/14859, filed Aug. 22, 1997, which claims benefit of priority from U.S. Provisional Application No. 60/025,062, filed Sep. 4, 1996, and No. 60/055,713, filed Aug. 7, 1997.



PGPUB-DOCUMENT-NUMBER: 20030031677

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030031677 A1

TITLE: Exponential pattern recognition based cellular  
targeting, compositions, methods and anticancer  
applications

PUBLICATION-DATE: February 13, 2003

US-CL-CURRENT: 424/178.1, 435/455

APPL-NO: 10/ 179610

DATE FILED: June 24, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60300805 20010625 US

#### RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Application No. 60/300,805, filed Jun. 25, 2001, the entire teachings of which are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030021810

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030021810 A1

TITLE: Chlorotoxin inhibition of cell invasion, cancer  
metastasis, angiogenesis and tissue remodeling

PUBLICATION-DATE: January 30, 2003

US-CL-CURRENT: 424/236.1

APPL-NO: 10/ 180420

DATE FILED: June 26, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60301019 20010626 US

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This non-provisional patent application claims benefit of provisional patent application U.S. Ser. No. 60/301,019, filed Jun. 26, 2001, now abandoned.

PGPUB-DOCUMENT-NUMBER: 20030021750

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030021750 A1

TITLE: Novel functional agents for magnetic resonance imaging

PUBLICATION-DATE: January 30, 2003

US-CL-CURRENT: 424/9.36, 530/324 , 534/15 , 534/16

APPL-NO: 10/ 116706

DATE FILED: April 4, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60282136 20010404 US

[0001] This application claims the benefit of 60/282,136, filed Apr. 4, 2001.

PGPUB-DOCUMENT-NUMBER: 20030008372

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030008372 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine  
protease 7, the encoded polypeptides and methods based  
thereon

PUBLICATION-DATE: January 9, 2003

US-CL-CURRENT: 435/226, 435/320.1 , 435/325 , 435/69.1 , 536/23.2

APPL-NO: 10/ 099700

DATE FILED: March 13, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60275592 20010313 US

#### RELATED APPLICATIONS

[0001] Benefit of priority under 35 U.S.C. .sctn. 119(e) is claimed to U.S. provisional application Serial No. 60/275,592, filed Mar. 13, 2001, to Edwin L. Madison and Edgar O. Ong, entitled "NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE, THE ENCODED PROTEINS AND METHODS BASED THEREON."

The subject matter this application is incorporated in its entirety by reference thereto.

PGPUB-DOCUMENT-NUMBER: 20030004172

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004172 A1

TITLE: Fused pyrimidinone matrix metalloproteinase inhibitors

PUBLICATION-DATE: January 2, 2003

US-CL-CURRENT: 514/260.1, 514/263.33, 514/263.34, 514/265.1, 544/256  
, 544/267, 544/271, 544/280

APPL-NO: 10/ 075073

DATE FILED: February 13, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60268756 20010214 US

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims benefit of priority from United States  
provisional application number 60/268,756, filed Feb. 14, 2001.

PGPUB-DOCUMENT-NUMBER: 20020193875

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020193875 A1

TITLE: Agent promoting the formation of skin basement  
membrane, agents promoting the formation of artificial  
skin and process for producing artificial skin

PUBLICATION-DATE: December 19, 2002

US-CL-CURRENT: 623/5.12, 424/439

APPL-NO: 09/ 979712

DATE FILED: November 26, 2001

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	2000-87574 (PAT.A	2000JP-2000-87574	March 27, 2000
	(PAT.A		

PCT-DATA:

APPL-NO: PCT/JP01/02507

DATE-FILED: May 27, 2001

PUB-NO:

PUB-DATE:

371-DATE:

102(E)-DATE:

PGPUB-DOCUMENT-NUMBER: 20020182652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182652 A1

TITLE: Proteomic analysis

PUBLICATION-DATE: December 5, 2002

US-CL-CURRENT: 435/7.9, 436/518

APPL-NO: 10/ 158498

DATE FILED: May 29, 2002

RELATED-US-APPL-DATA:

child 10158498 A1 20020529

parent division-of 09738954 20001215 US PENDING

non-provisional-of-provisional 60195954 20000410 US

non-provisional-of-provisional 60212891 20000620 US

non-provisional-of-provisional 60222532 20000802 US

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a divisional of U.S. application Ser. No. 09/738,954, filed Dec. 15, 2000, which claims priority under 35 U.S.C. .sctn.119(e) to U.S. provisional applications Serial Nos. 60/195,954, filed Apr. 10, 2000; 60/212,891, filed Jun. 20, 2000; and 60/222,532, filed Aug. 2, 2000, all of which are herein incorporated by reference in their entirety.

PGPUB-DOCUMENT-NUMBER: 20020169164

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169164 A1

TITLE: Tricyclic sulfonamides and their derivatives as  
inhibitors of matrix metalloproteinases

PUBLICATION-DATE: November 14, 2002

US-CL-CURRENT: 514/252.13, 514/254.08, 514/254.11, 514/411, 514/443  
, 514/468, 514/530, 544/372, 544/375, 544/380, 548/443  
, 549/44, 549/461, 560/12

APPL-NO: 10/ 108817

DATE FILED: March 27, 2002

RELATED-US-APPL-DATA:

child 10108817 A1 20020327

parent division-of 09719027 20010410 US PENDING

child 09719027 20010410 US

parent a-371-of-international PCT/US99/12273 19990602 WO UNKNOWN

non-provisional-of-provisional 60095006 19980730 US



PGPUB-DOCUMENT-NUMBER: 20020169160

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169160 A1

TITLE: Sulfonamide matrix metalloproteinase inhibitors

PUBLICATION-DATE: November 14, 2002

US-CL-CURRENT: 514/227.5, 514/228.2 , 544/59 , 544/60

APPL-NO: 10/ 071662

DATE FILED: February 8, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60268737 20010214 US

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims benefit of priority from U.S. provisional application No. 60/268,737, filed Feb. 14, 2001.

US-PAT-NO: 6566130

DOCUMENT-IDENTIFIER: US 6566130 B1

TITLE: Androgen-regulated gene expressed in prostate tissue

DATE-ISSUED: May 20, 2003

US-CL-CURRENT: 435/325, 435/252.3, 435/91.2, 536/23.5, 536/24.31  
, 536/24.33

APPL-NO: 09/ 769482

DATE FILED: January 26, 2001

PARENT-CASE:

#### CROSS REFERENCE TO RELATED APPLICATIONS

The present application is based upon United States provisional applications Ser. Nos. 60/178,772, and 60/179,045, filed Jan. 28, 2000, and Jan. 31, 2000, respectively, priority to which is claimed under 35 U.S.C. .sctn.119(e). The entire disclosures of United States provisional applications Ser. Nos. 60/178,772, and 60/179,045, are expressly incorporated herein by reference.

US-PAT-NO: 6559142

DOCUMENT-IDENTIFIER: US 6559142 B2

TITLE: Sulfonamide matrix metalloproteinase inhibitors

DATE-ISSUED: May 6, 2003

US-CL-CURRENT: 514/228.2, 514/211.01 , 514/365 , 540/544 , 544/60 , 548/200  
, 548/201

APPL-NO: 10/ 071662

DATE FILED: February 8, 2002

PARENT-CASE:

#### CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims benefit of priority from U.S. provisional application No. 60/268,737, filed Feb. 14, 2001.

US-PAT-NO: 6555535

DOCUMENT-IDENTIFIER: US 6555535 B2

TITLE: Tricyclic biphenyl sulfonamide matrix metalloproteinase  
inhibitors

DATE-ISSUED: April 29, 2003

US-CL-CURRENT: 514/228.2, 514/211.01, 514/365, 540/544, 544/60, 548/200  
, 548/201

APPL-NO: 10/ 075431

DATE FILED: February 13, 2002

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims benefit of priority from U.S. provisional  
application No. 60/268,754, filed Feb. 14, 2001.

US-PAT-NO: 6544761

DOCUMENT-IDENTIFIER: US 6544761 B2

TITLE: Human tissue inhibitor of metalloproteinase-4

DATE-ISSUED: April 8, 2003

US-CL-CURRENT: 435/69.2, 514/12, 530/350, 536/23.5

APPL-NO: 09/ 901904

DATE FILED: July 11, 2001

PARENT-CASE:

This application is a Continuation-in-Part of U.S. application Ser. No. 09/387,525, filed Sep. 1, 1999, which is a Continuation of U.S. application Ser. No. 08/463,261, filed Jun. 5, 1995 now U.S. Pat. No. 6,448,642 which is a continuation-in-part of PCT/US94/14498, filed Dec. 13, 1994 (filed in English), each of which are hereby incorporated by reference in their entireties. This application also claims benefit under 35 U.S.C. .sctn. 119(e), of U.S. Provisional Application Nos. 60/217,419, filed Jul. 11, 2000, and No. 60/220,829, filed Jul. 26, 2000, each of which are hereby incorporated by reference in their entireties.

US-PAT-NO: 6544740

DOCUMENT-IDENTIFIER: US 6544740 B1

TITLE: Treatment of endometriosis with antileukoprotease

DATE-ISSUED: April 8, 2003

US-CL-CURRENT: 435/6, 435/69.1

APPL-NO: 09/ 605134

DATE FILED: June 27, 2000

PARENT-CASE:

CROSS-REFERENCES TO RELATED APPLICATIONS

This application claims the benefit of provisional application No. 60/142,157, filed Jul. 1, 1999.

US-PAT-NO: 6541521

DOCUMENT-IDENTIFIER: US 6541521 B1

TITLE: Benzene butyric acids and their derivatives as  
inhibitors of matrix metalloproteinases

DATE-ISSUED: April 1, 2003

US-CL-CURRENT: 514/567, 562/435, 562/438, 562/455

APPL-NO: 09/ 351549

DATE FILED: July 12, 1999

US-PAT-NO: 6538173

DOCUMENT-IDENTIFIER: US 6538173 B2

TITLE: Compositions and methods for wound healing

DATE-ISSUED: March 25, 2003

US-CL-CURRENT: 800/8, 424/9.1, 435/4, 435/6, 800/3

APPL-NO: 09/ 249155

DATE FILED: February 12, 1999

PARENT-CASE:

This application claims the benefit of co-pending provisional applications Serial No. 60/074,737 filed Feb. 13, 1998, Ser. No. 60/097,937 filed Aug. 26, 1998, and Ser. No. 60/102,051 filed Sep. 28, 1998, which are incorporated herein by reference.



US-PAT-NO: 6534635

DOCUMENT-IDENTIFIER: US 6534635 B1

TITLE: Modified timp

DATE-ISSUED: March 18, 2003

US-CL-CURRENT: 530/402, 435/183 , 530/350

APPL-NO: 09/ 540530

DATE FILED: March 31, 2000

FOREIGN-APPL-PRIORITY-DATA:		
COUNTRY	APPL-NO	APPL-DATE
JP	11-095142	April 1, 1999

US-PAT-NO: 6531128

DOCUMENT-IDENTIFIER: US 6531128 B1

TITLE: Methods for treating glaucoma

DATE-ISSUED: March 11, 2003

US-CL-CURRENT: 424/134.1, 424/130.1, 424/145.1, 424/427, 514/12, 530/351

APPL-NO: 09/ 500023

DATE FILED: February 8, 2000

US-PAT-NO: 6500859

DOCUMENT-IDENTIFIER: US 6500859 B2

TITLE: Method for treating atherosclerosis or restenosis using  
microtubule stabilizing agent

DATE-ISSUED: December 31, 2002

US-CL-CURRENT: 514/449, 514/824 , 549/510 , 549/511

APPL-NO: 10/ 121500

DATE FILED: April 11, 2002

PARENT-CASE:

PRIORITY CLAIM

This is a continuation of U.S. application Ser. No. 08/821,906 filed Mar. 21, 1997, allowed which is a continuation of U.S. application Ser. No. 08/633,185 filed Apr. 18, 1996 (issued as U.S. Pat. No. 5,616,608), which is a continuation of U.S. application Ser. No. 08/099,067 filed Jul. 29, 1993, abandoned.

US-PAT-NO: 6500811

DOCUMENT-IDENTIFIER: US 6500811 B2

TITLE: Sulfonylaminophosphinic and sulfonylaminophosphonic acid  
derivatives, methods for their preparation and use

DATE-ISSUED: December 31, 2002

US-CL-CURRENT: 514/83, 514/86, 514/89, 514/90, 514/91, 514/92, 514/94  
, 514/95, 514/99, 544/243, 544/55, 544/96, 546/22  
, 548/112, 548/113, 548/119, 549/218, 549/222, 549/6

APPL-NO: 09/ 811698

DATE FILED: March 20, 2001

PARENT-CASE:

The present application is a divisional application under 37 C.F.R. .sctn.  
1.53(b) of U.S. application Ser. No. 09/353,086, filed Jul. 15, 1999, now  
U.S. Pat. No. 6,235,727, the disclosure of which is incorporated in its  
entirety herein by reference.

FOREIGN-APPL-PRIORITY-DATA:		
COUNTRY	APPL-NO	APPL-DATE
DE	198 31 980	July 16, 1998
DE	199 21 680	May 12, 1999

US-PAT-NO: 6492422

DOCUMENT-IDENTIFIER: US 6492422 B2

TITLE: Tricyclic sulfonamides and their derivatives as  
inhibitors of matrix metalloproteinases

DATE-ISSUED: December 10, 2002

US-CL-CURRENT: 514/562, 514/575, 562/427, 562/499, 562/507, 562/623

APPL-NO: 10/ 108817

DATE FILED: March 27, 2002

PARENT-CASE:

This application is a Divisional of Ser. No. 09/719,027 filed on Apr. 10, 2000, now U.S. Pat. No. 6,420,408, which is a 371 of PCT/US99/12273 filed Jun. 2, 1999, which claims benefit of Ser. No. 60/095,006 filed on Jul. 30, 1998.

PGPUB-DOCUMENT-NUMBER: 20030100600

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100600 A1

TITLE: Method for treating atherosclerosis or restenosis using  
microtubule stabilizing agent

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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APPL-NO: 10/ 272496

DATE FILED: October 15, 2002

RELATED-US-APPL-DATA:

child 10272496 A1 20021015

parent continuation-of 10121500 20020411 US GRANTED

parent-patent 6500859 US

child 10121500 20020411 US

parent continuation-of 09641549 20000817 US GRANTED

parent-patent 6403635 US

child 09641549 20000817 US

parent continuation-of 08821906 19970321 US GRANTED

parent-patent 6429232 US

child 08821906 19970321 US

parent continuation-of 08633185 19960418 US GRANTED

parent-patent 5616608 US

child 08633185 19960418 US

parent continuation-of 08099067 19930729 US ABANDONED

US-CL-CURRENT: 514/449, 549/510

ABSTRACT:

The present invention is a method of preventing or reducing atherosclerosis or restenosis, and a pharmaceutical preparation used therefor. In particular, it is a method of preventing or reducing atherosclerosis or restenosis after arterial injury by treatment with a low dose of a microtubule stabilizing agent such as taxol or a water soluble taxol derivative. The low dose used in the present invention prevents artery blockage while minimizing any negative side effects associated with the drug.

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Pre-Grant Publication Document Identifier - DID (1):

**US 20030100600 A1**

Summary of Invention Paragraph - BSTX (16):

[0014] During angioplasty, intraarterial balloon catheter inflation results in deendothelialization, disruption of the internal elastic lamina, and injury to medial smooth muscle cells. While restenosis likely results from the interdependent actions of the ensuing inflammation, thrombosis, and smooth muscle cell accumulation (Ferrell, M. , et al. (1992) Circ., 85:1630-1631), the final common pathway evolves as a result of medial VSMC dedifferentiation from a contractile to a secretory phenotype. This involves, principally, VSMC secretion of **matrix metalloproteinases degrading the surrounding basement membrane**, proliferation and chemotactic migration into the intima, and secretion of a large extracellular matrix, forming the neointimal fibroproliferative lesion. Much of the VSMC phenotypic dedifferentiation after arterial injury mimics that of neoplastic cells (i.e., abnormal proliferation, growth-regulatory molecule and protease secretion, migration and basement invasion).

US-PAT-NO: 6544761

DOCUMENT-IDENTIFIER: US 6544761 B2

TITLE: Human tissue inhibitor of metalloproteinase-4

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Greene; John M.	Gaithersburg	MD	N/A	N/A
Rosen; Craig A.	Laytonsville	MD	N/A	N/A

APPL-NO: 09/ 901904

DATE FILED: July 11, 2001

PARENT-CASE:

This application is a Continuation-in-Part of U.S. application Ser. No. 09/387,525, filed Sep. 1, 1999, which is a Continuation of U.S. application Ser. No. 08/463,261, filed Jun. 5, 1995 now U.S. Pat. No. 6,448,642 which is a continuation-in-part of PCT/US94/14498, filed Dec. 13, 1994 (filed in English), each of which are hereby incorporated by reference in their entireties. This application also claims benefit under 35 U.S.C. .sctn. 119(e), of U.S. Provisional Application Nos. 60/217,419, filed Jul. 11, 2000, and No. 60/220,829, filed Jul. 26, 2000, each of which are hereby incorporated by reference in their entireties.

US-CL-CURRENT: 435/69.2, 514/12 , 530/350 , 536/23.5

ABSTRACT:

A human tissue inhibitor of metalloproteinases-4 polypeptide and DNA (RNA) encoding such polypeptide and a procedure for producing such polypeptide by recombinant techniques. Also disclosed are methods for utilizing such polypeptide for the treatment of diseases, including arthritis and cancer. Antagonists against such polypeptides and their use as a therapeutic to resorb scar tissue are also disclosed. Diagnostic assays for detecting levels of human TIMP-4 protein and mutations in human TIMP-4 nucleic acid sequence are also disclosed.

30 Claims, 10 Drawing figures

Exemplary Claim Number: 13

Number of Drawing Sheets: 10

----- KWIC -----



US Patent No. - PN (1):

**6544761**

Other Reference Publication - OREF (6):

Hotary, K., et al., Regulation of Cell Invasion and Morphogenesis in a Three-dimensional Type I Collagen **Matrix by Membrane-type Matrix Metalloproteinases** 1, 2, and 3, J. Cell Biology 149:1309-1323 (2000).

Other Reference Publication - OREF (8):

Kadono, Y., et al., Transformation of Epithelial Madin-Darby Canine Kidney Cells with p60.sup.v-src Induces Expression of **Membrane-Type 1 Matrix Metalloproteinase** and Invasiveness, Cancer Research 58:2240-2244 (1998).

Other Reference Publication - OREF (12):

Rosenthal, E., et al., Role of **membrane type 1-matrix metalloproteinase** and gelatinase A in head and neck squamous cell carcinoma invasion in vitro, Otolaryngology-Head and Neck Surgery 121:337-343 (1999).

Other Reference Publication - OREF (18):

Tsunezuka, Y., et al., Expression of **Membrane-type Matrix Metalloproteinase 1 (MT1-MMP)** in Tumor Cells Enhances Pulmonary Metastasis in an Experimental Metastasis Assay, Cancer Research 56:5678-5683 (1996).

US-PAT-NO: **6500859**

DOCUMENT-IDENTIFIER: US 6500859 B2

TITLE: Method for treating atherosclerosis or restenosis using  
microtubule stabilizing agent

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kinsella; James L.	Baltimore	MD	N/A	N/A
Sollott; Steven J.	Baltimore	MD	N/A	N/A

APPL-NO: 10/ 121500

DATE FILED: April 11, 2002

PARENT-CASE:

PRIORITY CLAIM

This is a continuation of U.S. application Ser. No. 08/821,906 filed Mar. 21, 1997, allowed which is a continuation of U.S. application Ser. No. 08/633,185 filed Apr. 18, 1996 (issued as U.S. Pat. No. 5,616,608), which is a continuation of U.S. application Ser. No. 08/099,067 filed Jul. 29, 1993, abandoned.

US-CL-CURRENT: 514/449, 514/824 , 549/510 , 549/511

ABSTRACT:

The present invention is a method of preventing or reducing atherosclerosis or restenosis, and a pharmaceutical preparation used therefor. In particular, it is a method of preventing or reducing atherosclerosis or restenosis after arterial injury by treatment with a low dose of a microtubule stabilizing agent such as taxol or a water soluble taxol derivative. The low dose used in the present invention prevents artery blockage while minimizing any negative side effects associated with the drug.

4 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

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US Patent No. - PN (1):

**6500859**

Brief Summary Text - BSTX (16):

During angioplasty, intraarterial balloon catheter inflation results in deendothelialization, disruption of the internal elastic lamina, and injury to medial smooth muscle cells. While restenosis likely results from the interdependent actions of the ensuing inflammation, thrombosis, and smooth muscle cell accumulation (Ferrell, M., et al. (1992) Circ., 85:1630-1631), the final common pathway evolves as a result of medial VSMC dedifferentiation from a contractile to a secretory phenotype. This involves, principally, VSMC secretion of **matrix metalloproteinases degrading the surrounding basement membrane**, proliferation and chemotactic migration into the intima, and secretion of a large extracellular matrix, forming the neointimal fibroproliferative lesion. Much of the VSMC phenotypic dedifferentiation after arterial injury mimics that of neoplastic cells (i.e., abnormal proliferation, growth-regulatory molecule and protease secretion, migration and basement invasion).